

Fig. 1(A)

Fig. 1(B)

Fig. 1(B) is a cross-sectional view of the second embodiment of the device. It shows a similar internal structure to Fig. 1(A), with a central vertical shaft (3) and two main chambers (4 and 5) separated by a partition (2). The left chamber (4) contains a piston (75) and a valve assembly (41). The right chamber (5) contains a piston (75) and a valve assembly (23). The device is housed in a main body (1) with a base (11) and a top cover (12). A port (6) is located on the right side. Various other components are labeled with numbers 1 through 21, 20, 42, and 75.

Fig. 2

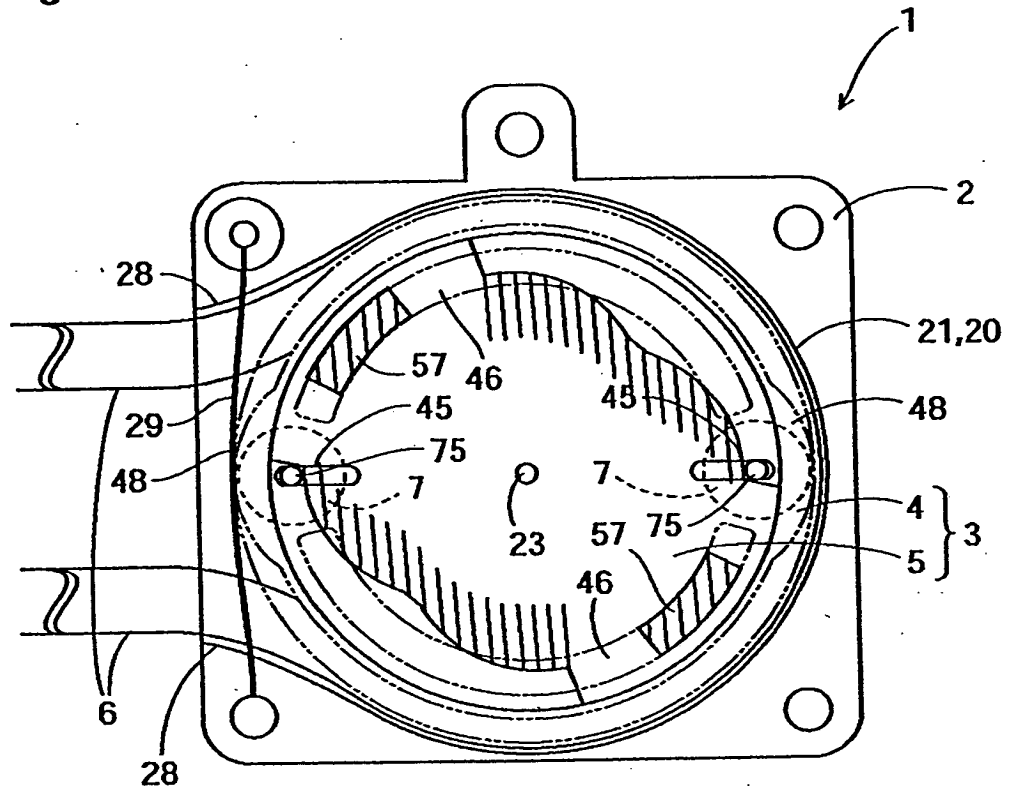


Fig. 3

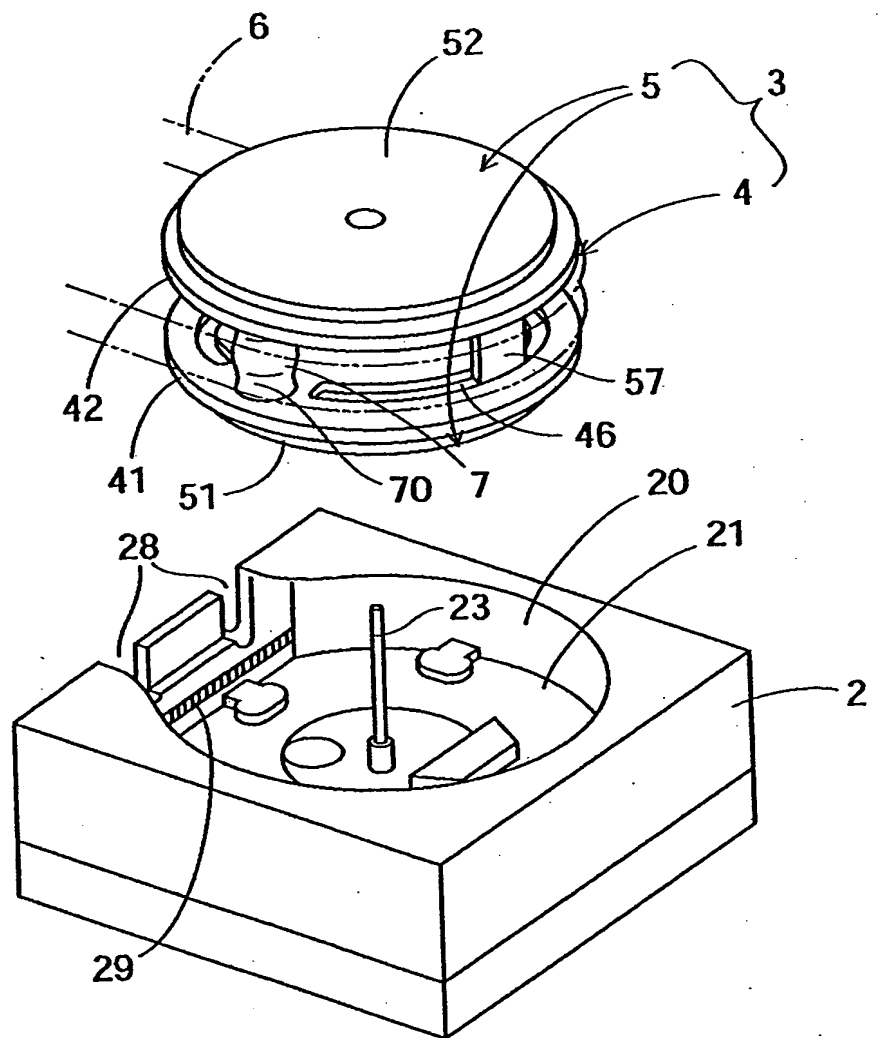


Fig. 4(A)

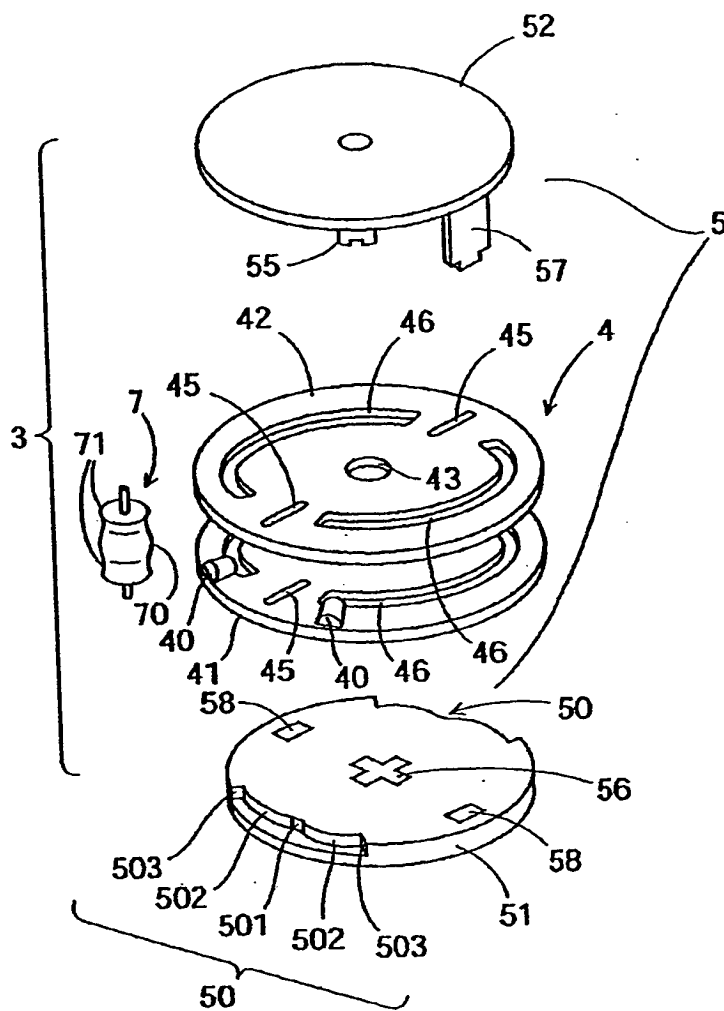


Fig. 4(B)

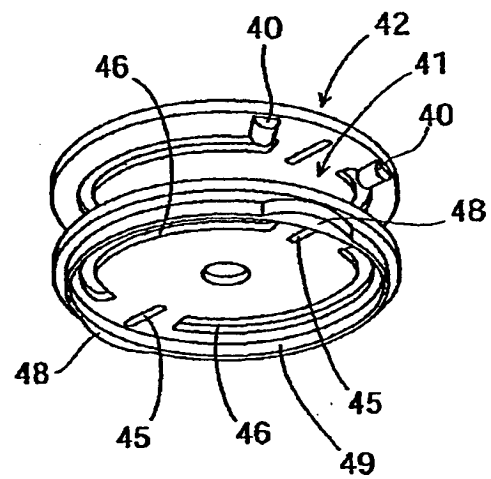


Fig. 5(A)

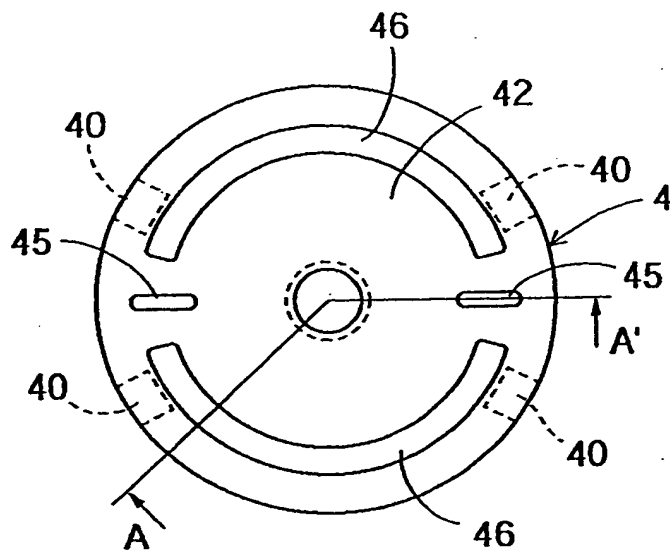


Fig. 5(B)

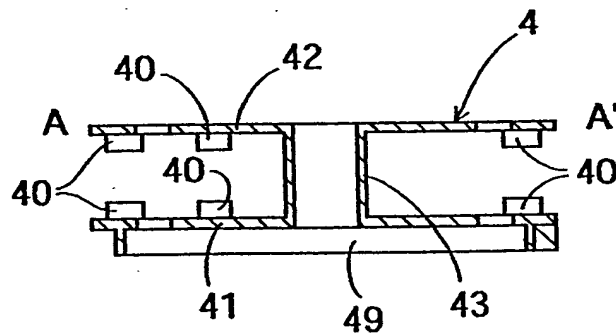


Fig. 5(C)

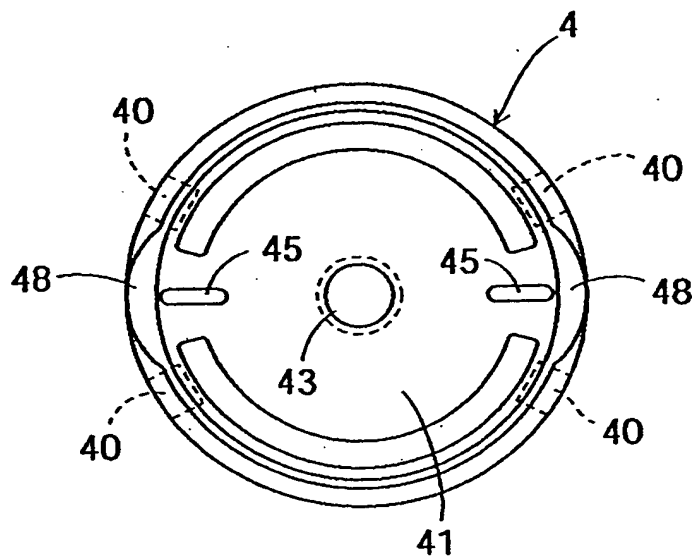


Fig. 6(A)

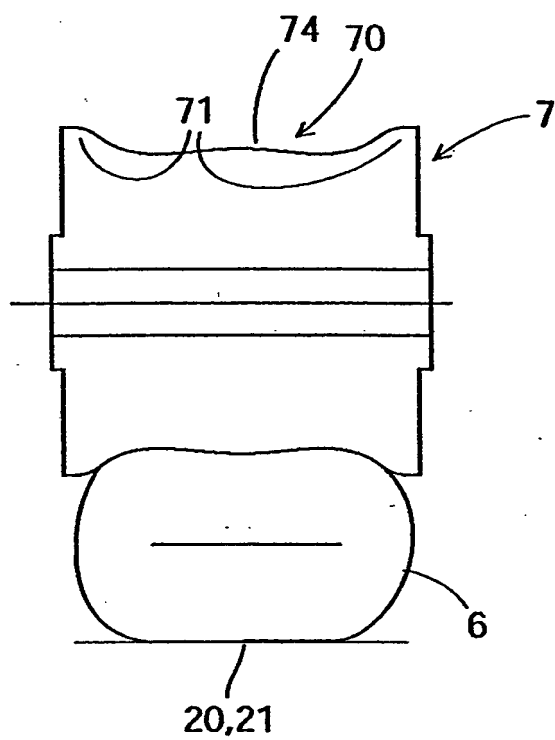


Fig. 6(B)

